2017-2018 Syllabus
Chemistry
Science
Mrs. Davisson
davisson_sarah@lacoe.edu
Classroom: LACHSA 224; lab in bio science 136
Website: http://www.lachsa.net/apps/pages/index.jsp?uREC_ID=539756&type=u
Office Hours: Tuesday and Wednesday from 7:15 until 7:50am, or by appointment

Course Description
Chemistry is a physical science course based on the California Content Standards for Science. This course fulfills both the college laboratory science requirement and the high school physical science graduation requirement. Topics include atomic structure, nomenclature, bond formation, chemical reactions, gases, reaction rates, thermodynamics and metric calculations.
Recommended Prerequisite: C or better in Biology, C or better in Geometry

Course Objectives
Upon completion of the course students should be able to use the scientific method to conduct inquiry investigation, use the periodic table understand and predict the interaction of different atoms and molecules and how bonds form, predict chemical interactions and balance chemical equations, mathematically represent matter with equations and formulas, predict the properties of matter based on it elements, bonds, and the affects of changing the environment., and conduct research on a scientific topic and use evidence to analyze and support an idea.

Class Texts
Modern Chemistry

Recommended Materials
• Chem notebook- that can be left in class
• Chem section in a binder
• Lined, lose leaf paper
• Pen, Pencil, & highlighter
• Calculator (scientific)
• RED pen, for correcting
Students should bring materials each day and are to keep all their science work each semester in an organized way. They are to bring their material to class each day and will receive credit for their organized work.

Class Policies, Expectations and Rules
• Arrive to class on time with your materials out and ready.
• No food or drink other than water for class meetings. NO GUM
• Technology may only be used to look up material relevant to this course and requires teacher permission in advance of use.
• Students who do not follow instructions or create dangerous situation during labs will not be able to participate in the lab any will lose the points.
• Students need permission to leave class unless otherwise instructed for an activity

Tips to success:
• Stay up to date: If you fall behind, it will be twice the work to catch up
• Stay in contact: If you are absent, check my webpage, ask a friend, email me!
• Subscribe to the homework emails.
• Use your resources: textbook, internet, other students, teacher webpage, teacher
• Bring your resources: don’t lose points because you didn’t bring your calculator or textbook to class
• If in doubt, ask.
• Make use of office hours!

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- 3 hall passes will be issued per semester. After that, leaving class is not allowed unless it is an emergency.
- Students should be seated, starting their warm-up, by the bell. Warm up points Warm up points will be lost if late to class. If late to a lab, students will lose one letter grade per 10 minutes they are late.

Assessments and Grading Policy

In class assignments are worth credit. Homework will be assigned each class period and projects will be due periodically. Quizzes are given during each chapter and tests are given at the end of units. Participation points are given for being in class and actively involved in discussions and labs. As this is a science class, labs and activities are graded for accuracy and worth a large part of student’s grades.

*Students are responsible for regularly checking their grades, at least weekly, for accuracy*

<table>
<thead>
<tr>
<th>HW/Projects</th>
<th>20%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tests/ Quizzes:</td>
<td>30%</td>
</tr>
<tr>
<td>Labs/ Activities:</td>
<td>25%</td>
</tr>
<tr>
<td>Classwork/ Participation:</td>
<td>10%</td>
</tr>
<tr>
<td>Final:</td>
<td>15%</td>
</tr>
</tbody>
</table>

Grading Rubric for HW questions (6-10 points per chapter)

<table>
<thead>
<tr>
<th>10 Point Scale</th>
<th>6 Point Scale</th>
<th>Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>6</td>
<td>All questions answered, detailed answers with accurate information, answers put in own words, not just copied, extensive reading of txt is clear</td>
</tr>
<tr>
<td>9</td>
<td>5</td>
<td>All questions answered, good answers with accurate information, answers put in own words, not just copied, 1 mistake or may lack necessary detail.</td>
</tr>
<tr>
<td>8</td>
<td>4</td>
<td>80% of questions answered, partially correct or missing 2-3 pieces of information, reworded, but not always reworded well.</td>
</tr>
<tr>
<td>6</td>
<td>3</td>
<td>60% of questions answered, partially correct or missing information for almost half of the required information, poor rewarding</td>
</tr>
<tr>
<td>4</td>
<td>2</td>
<td>40% of questions answered, partially correct or missing information for almost half of the required information, poor rewarding</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>Less than 30% complete or inaccurate information, not hand written, not rewarded</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
<td>Not submitted, or not submitted by due date</td>
</tr>
</tbody>
</table>

- All assignment grading rubrics will be posted on Mrs. Davisson’s website
- As your teacher, I will commit to grading all smaller assignments and posting all grades on the AERIES.net grade book within one week (5 school days) from the date the work is submitted. For larger assignments I will commit to grading the assignments and posting all grades on the AERIES.net grade book within two weeks (10 class days) from the date the work is submitted.

Effect of Unexcused Absences on Grades

- At LACHSA, a teacher may issue a failing grade to a student if they have unexcused absences for more than ten percent of the course periods in a given semester as follows:
  - Course meets 2-3 times per week (Periods 1-6)
    - Five unexcused absences in a semester is excessive. When a student earns five unexcused absences, a teacher must notify the parent/guardian that if a student earns a sixth unexcused absence, a failing grade may be issued for the semester.

Test/Assessment Make Up Policy

If a student has an excused absence the day of an assessment or test, they are expected to attend the Assessment make up on Friday morning from 8am to 9:30am. As the teacher of the course, I will commit to providing you a make-up slip that will outline what assessment must be made up and the last day you will have to make up the assessment. Please make sure you know that the assessment make up will cover similar content to the assessment given in class, but it will not be the same assessment. For shorter quiz’s or assessment, student should plan to attend office hours (academics) or check in with their teacher (arts) to make up the work.
LACHSA Grading Scale

A+  97 - 100%  A  93 - 96.9%  A-  90 - 92.9%
B+  87 - 89.9%  B  83 - 86.9%  B-  80 - 82.9%
C+  77 - 79.9%  C  73 - 76.9%  C-  70 - 72.9%
D+  67 - 69.9%  D  63 - 66.9%  D-  60 - 62.9%
F  59.9% and below

Note to Students
* Students can earn no less than the corresponding letter grade in each numerical category
* The University Of California does not recognize courses with D’s for A-G credit
* Grades will not be rounded; the grade you earn is what you get

Work Habits and Citizenship Grade
Progress Report grades will be issued every 4.5 weeks and will be available for review on the Parent Portal. In addition to a letter grade, a grade for citizenship and work habits will be included on the student's progress report for each course of enrolment. These grades should be reviewed by parents and students in an effort to identify areas for improvement that will likely also improve a student's overall letter grade in the course. Students earning Unsatisfactory Citizenship or Work Habits marks may not be able to participate in extracurricular activities (including field trips) and may be placed on probation. Parents/Guardians are recommended to reach out directly to teachers to discuss any Unsatisfactory remarks.

<table>
<thead>
<tr>
<th>Mark</th>
<th>Citizenship</th>
<th>Work Habits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>On time to class, respectful of others, takes care of school property, displays integrity</td>
<td>Participates, comes prepared, engaged in curriculum, completes work</td>
</tr>
<tr>
<td>Outstanding (O)</td>
<td>Always (90-100%)</td>
<td>Always (90-100%)</td>
</tr>
<tr>
<td>Satisfactory (S)</td>
<td>Most of the Time (70-89%)</td>
<td>Most of the Time (70-89%)</td>
</tr>
<tr>
<td>Needs Improvement (N)</td>
<td>Sometimes (50-69%)</td>
<td>Sometimes (50-69%)</td>
</tr>
<tr>
<td>Unsatisfactory (U)</td>
<td>Rarely (less than 50%)</td>
<td>Rarely (less than 50%)</td>
</tr>
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Class Work and Homework Policy
- Class work will be assigned often and should be completed in the student’s chemistry notebook.
- Homework will also be assigned each class period and should be written down in a planner or binder. Homework is posted both on the board and online each day.
- Homework assigned from the textbook will be graded using the rubric below. Other assignment grading criteria will be provided with the assignment.
- Again, plan ahead and communicate with the teacher if there is an issue with an assignment. Extensions will not be given on the due dates, so plan ahead!
- Please see class website at lachsa.net for exact grading scale, assignments and assignment due dates.

Late Work Policy
Late work will not be accepted unless the office has excused the absence within 24 hours of the absence. In accordance with the LACHSA Attendance Policy, all homework or book work for scheduled arts or academic field trips and performances must be completed prior to trip or performance for credit unless other arrangements have been made with the teacher ahead of time. If you are absent from class, it is your responsibility to ensure your absence is cleared in the main office and your assignments are turned in. You will not be able to earn credit for absent work unless your absence is cleared by the main office as an excused absence. In accordance with the LACHSA policy, for any excused absence, students will have the same number of days in which they were absent to make up work. If students feel they need more time to complete make up work they should discuss this with their teachers before the end of the one week deadline.
• 2 homework passes are issued per semester. Students can use them to turn in a completed late assignment within 1 week of the due date. After that, NO LATE WORK IS ACCEPTED.
• If a student is absent or sick, it is their responsibility to get class notes from a classmate and ask for any handouts or assignments from the teacher before or after class. The student is responsible for checking online or asking for make up work!! This can even be done via email.
• Normal work due the day of an absence is due the next day the student is at school. Project and lab due dates are not flexible! If a student is gone, they can email the assignment and then bring a hard copy later.
• Make up work for excused absences should be turned in within 3 days of the day missed. Students have 1 week to make up tests, quizzes. If you know you will be gone, get the work ahead of time.
• A make up lab or alternative activity may be assigned for missed labs due to excused absences. However, not all labs can be easily made up so students need to be present for all labs.
• Work and participation points lost due to unexcused absences cannot be made up.
• Arrangements for absences due to school activities or shows must be made before the show date. If in doubt, contact your teacher! Extensions will not be given on the due dates, so plan ahead!

Academic Integrity
Integrity is highly valued at LACHSA. Truth is the ultimate goal in democratic education. Honesty is essential to successful education. Cheating is the most destructive action in the academic world. Cheating undermines the academic process, shatters student integrity and destroys the trust necessary to teacher/student relationships. The cynical or unprepared student who seeks a dishonest advantage over fellow students is not only self-defeating, but affects others if not confronted and stopped.

Our Academic Honesty Policy addresses issues of cheating, plagiarism, theft, alteration of materials and test avoidance. All students and parents sign the policy at the beginning of the school year to demonstrate their commitment to honesty and integrity. LACHSA students and staff will uphold the highest moral and ethical standards. Theft of (or unauthorized use of) student possession will not be tolerated. Theft is a criminal matter and will be treated as such. Our campus is a place for safety and respect for all. Promptly report all incidents to a staff member so that we may deal with each problem in a quick, consistent and rational manner.

Acts of Academic Dishonesty which will not be tolerated at LACHSA are:
• Cheating On Tests: Any intentional giving or use of external assistance relating to an examination, test or quiz without permission of the teacher. Parents will be contacted by the instructor or the student during class time or at the conclusion of the class.
• Unauthorized use of technology devices during a test or assessment.
• Unauthorized Collaboration: Intentional collaboration (copying) an assignment between a student and another person is considered dishonest. Both or all students involved will be subject to lowered academic and citizenship grades, and parents will be contacted.
• Plagiarism: All students are expected to complete their own work and assignments. Plagiarism constitutes any intentional use of another’s ideas, words or works as one’s own. Plagiarism includes the misuse of material and the work of another student. It also includes downloading information directly from the internet and computer and turning it in as a report. Plagiarism can result in earning a failing grade on the assignment, lowering of a citizenship grade, and relinquishing of technology privileges. Additionally, any student guilty of plagiarism may receive a zero grade on the assignment. The zero will not be dropped and that grade will be averaged in for the grading period.
• Theft or Alteration of Materials: A student guilty of stealing or altering test materials, calculators, books, computer tapes/disks, or other course materials from teachers, the Library/Media Center/media center, office or another student will be subject to being dropped from the class with an “F/U” for the semester and suspension from school.
• Test Avoidance: If a student develops a pattern of test avoidance, the parents will be notified. At the teacher’s discretion, any further absences may result in a forfeit of the make-up policy.
• Pressure for Unsubstantiated Grade Change: Student and parent requests or demands for a raise in a course grade will not be considered, unless such request is based on clerical error.
Accessing the Class Website:
You can access the class website by following these steps:
Log on to http://lachsa.net (notice no www)
- On the top of the page click on “Academics” or “Arts”
- Then click on “Classes/Homework” or “Homework”
- Then click on the subject you are trying to look up assignments for
- click on your Teacher name and then the period of your class

Quick Breakdown of Course Outline:

Semester 1
Unit 1: Into to Chemi and Measurement: Ch 1 & 2
5 weeks: August-September
Week 2: Bubble Lab
Personal Element poster
Periodic Table activity
Week 3: Lab Safety Test
Metal and Nonmetal Lab,
Week 4: Ch 1 Quiz
SI unites worksheet, measurement quiz
Week 5: Measurement and Density Lab
Ch 2 Test

Unit 2: The Atom: Ch 3, 21, 4, and 5
6 weeks, end September- October
Week 6: Ch 3 HW question
Isotope Ion bean lab
Week 7: Ch 3 & 21 packet, nuclear research radioactive cadmium lab (ch 21)
Ch 3 Quiz
Week 8: electron configuration online simulation
Electron Configuration worksheet
Week 10: Flame Test Lab

Periodic Trends Activity
Week 11: Review and test

Unit 3: Bonding: Ch 6 & 7
6 weeks, November-December
Week 11: CH 6&7 packet HW packet
Week 12: Chemistry Research paper (topic varies by student)
Week 13: Bond with a Classmate activity
ionic bonds worksheet
Week 14: covalent bonds worksheet
Quiz (ionic and covalent bonds)
Week 15: Lewis dot structures activity and model
Building, Research Paper Due
Week 16: Molecular Models Lab, review for test

Semester 2
Finish Unit 4 Chemical Reactions Ch 8, with lab Shrinky Dink Project

Unit 5: Mole and Stoichiometry: Ch 3, 7 & 9
5-6 weeks, February
Week 1: Mole worksheet
Ch 3.3 quiz
Week 2: How Many Moles in Chalk activity
mole road map picture
Week 3: What Substance am I lab
Test: mole and empirical formulas (ch 3.3, 7.3-7.4)
Week 4: Stoichiometry worksheet
POGIL activity: limiting and excess reactants
Week 5: Ch 9 Stoichiometry test

Week 7: Acid and Bases Lab
Week 8: work on final project research
Acid and Bases Test

Unit 6: Acids and Bases: Ch. 14 & 15
2-3 weeks, early March
Week 6: Phet simulation: acids and bases
Acid and Bases comparison chart

Week 9: Ch 11 book work
Week 10: Gas Laws lab, gas laws practice problems
Week 11: in class time for final project check ins
Week 12: gas laws review and Ch 11 Test

Unit 7: Gas Laws: Ch 11
4 weeks, late March - April
Week 9: Ch 11 book work
Week 10: Gas Laws lab, gas laws practice problems
Week 11: in class time for final project check ins
Week 12: gas laws review and Ch 11 Test

Unit 8: Solutions, equilibrium, and biochemistry: Ch. 12, 17, 18
5 weeks, late April-May
Week 13: Graphing Activity
Solutions matching
Week 14: Solutions, Concentration and Molarity
PhET lab Ch 12 quiz
Week 15: Enthalpy Lab
Polystyrene STEAM project
Week 16: Equilibrium Lab, study guide
Week 17: Intro to biochem activity
Equilibrium and Biochemistry Test

Unit 9: Science Fair Project
throughout second semester, present in June
Checkpoints throughout semester
Written report
3 panel display board
Final presentation

*Please review the full, detailed course outline with standards and objectives on Mrs. Davisson’s website under the “syllabus” tab. Timing on due dates may vary based on school schedule and student need.

Online Grading – Parent Portal

ALL Academic for students will be posted on ABI (or the Parent Portal) after each assignment has been turned in and graded. It is the responsibility of the student and parent to verify that these grades are accurate. If there are any discrepancies with the grades, please inform your teacher. You can access these daily grades by choosing “Grades” and then “Gradebook” on your parent portal account. Then click on the class for which you want to see the assignment grade breakdown.

ALL Academic and Arts grades will be posted every 4.5 weeks. These overall grades will be posted on the Parent Portal for ALL classes in the form of a progress report. Click on “Grades” then “Grades” to see your overall grades every 4.5 weeks.

Information on how to create a parent portal account was given out during registration. Please contact lachsa_info@lacoe.edu if you need assistance with your portal account reactivation.

Extra Instructional Help and Tutoring Hours
With such a busy schedule, LACHSA students often need a little extra help, need to borrow a textbook to finish an assignment.

Office Hours: Tuesday and Wednesday mornings (7:15 – 8am) for all Academic classes

By phone: email is the best means of communication: davisson_sarah@lacoe.edu, but parents can call my LACHSA at: (323) 343-6372
- All teachers share their classrooms, so are not always available by phone, email is the best options

Other ways to contact the teacher for assistance:
I check my email daily. Please make sure student and parent emails are up to date in ABI/Aries, as that will be used for all contact. (Access on website through “Parent” or “Student” tab, then “Parent Portal”)
I look forward to a great year!

Best,
Mrs. Davisson
Please fill out and return this page as best you can:

Parent/Guardian name(s): __________________________ __________________________

Parent(s) phone(s): (home) __________________________ __________________________

       (Cell) __________________________ __________________________

Student Email Address __________________________ __________________________

Parent(s) Email Address __________________________ __________________________

I have read the syllabus and course plan and understand and agree to the expectations, rules, grading and assignments for this course.

Student Signature: __________________________ Date: __________

Parent/Guardian Signature: __________________________ Date: __________

* Again, please make sure student and parent emails and numbers are up to date in Aries, as that system is used for all school contact, especially via email.